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## **AMENDMENTS TO THE CLAIMS:**

Please cancel claims 1-7 without prejudice or disclaimer and amend the claims as follows:

- 1.-7. (Canceled)
- 8. (New) A tilt servo system for correcting a tilt angle between an objective lens provided in an optical pickup and an information storage medium, said system comprising:

a phase correction device for adjusting a phase of a light beam emitted from a light source and incident on the information storage medium through the objective lens;

a moving device for moving the pickup in the radial direction of the information storage medium; and

a control device for calculating a reference position of the pickup on the information storage medium as well as a reference tilt angle in a region through which the pickup has moved from the reference position, in accordance with a separation value which comprises a distance between the information storage medium and the objective lens in focusing, and based on a distance through which the pickup has moved,

wherein the control device further detects a relative tilt angle of the information storage medium which is a difference between the reference tilt angle and an actual tilt angle in an optional region through which the pickup has moved from the reference position, and

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drives the phase correction device in accordance with tilt correction quantities corresponding to relative tilt angles.

9. (New) The tilt servo system according to claim 8, further comprising:

a first storage device for storing reference correction data which comprises drive data corresponding to said reference tilt angle; and

a second storage device storing drive data corresponding to a plurality of preestimated respective tilt angles,

wherein the control device searches the second storage device for drive data being associated with an angle closest to a relative tilt angle, and drives said phase correction device in accordance with the sum of the drive data and the reference correction data.

- 10. (New) The tilt servo system according to claim 9, wherein said drive data represents a reference correction amount in which an amplitude of a radio frequency (RF) signal at the time of reading information recorded in said information storage medium is higher than any other drive data stored in the second storage device.
- 11. (New) The tilt servo system according to claim 8, wherein said predetermined region comprises a region corresponding to a lead-in area of said information storage medium.
- 12. (New) The tilt servo system according to claim 9, wherein said predetermined region comprises a region corresponding to a lead-in area of said information storage medium.

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13. (New) The tilt servo system according to claim 10, wherein said predetermined region comprises a region corresponding to a lead-in area of said information storage medium.